

**IN THE CLAIMS:**

Please amend claims as follows.

1. (currently amended) Integrated circuit chip comprising:  
at least two ~~[[one]]~~ functional or IP cores;  
for each functional or IP core, testing means for testing the functional or IP  
core;  
communication means for connecting each functional or IP core the testing  
~~means~~ to an external communication network;  
wherein the communication means comprise a test bus (TAM) connected to  
the testing means and a proxy agent (PA) connected to the test bus and to the  
external communication network.
2. canceled
3. (previously presented) Integrated circuit chip according to claim 1,  
wherein the testing means of each functional or IP core comprise a wrapper in which  
the functional or IP core is embedded.
4. (original) Integrated circuit chip according to claim 3, wherein the wrapper  
of the testing means of each functional or IP core implements the IEEE P1500  
standard architecture.
5. (previously presented) Integrated circuit chip according to claim 1,  
wherein the communication means allow a remote control of the testing means via  
the communication network.
6. canceled

7. (currently amended) Integrated circuit chip according to claim ~~[[6]]~~ 1, wherein the proxy agent (PA) implements ~~[[the]]~~ an SNMP protocol.
8. (previously presented) Integrated circuit chip according to claim 4 wherein the proxy agent (PA) comprises an SNMP processor which translates the information between SNMP and P1500 protocols.
9. (previously presented) Integrated circuit chip according to claim 1 wherein the communication means comprise at least one TCP/IP network interface circuit.
10. (currently amended) System for testing at least one functional or IP core embedded in an integrated circuit ship comprising:
- an integrated circuit chip according to claim 1;
  - a communication network connected to the communication means of the integrated circuit chip;
  - a network management station (ATE) connected to the communication network and able to communicate with the testing means of the integrated circuit chip via the communication network and the communication means of the integrated circuit chip.
11. (currently amended) System for testing at least one functional or IP core embedded in ~~[[a]]~~ an integrated circuit chip according to claim 10 wherein the communication network is a TCP/IP network.
12. (currently amended) System for testing at least one functional or IP core embedded in ~~[[a]]~~ an integrated circuit chip according to claim 10, wherein the

network management station (ATE) performs an automatic test of a functional or IP core of the integrated circuit chip.

13. canceled

14. (previously presented) Integrated circuit chip according to claim 7 wherein the proxy agent (PA) comprises an SNMP processor which translates the information between SMNP and P1500 protocols.

15. (currently amended) System for testing at least one functional or IP core embedded in ~~[[a]]~~ an integrated circuit chip according to claim 11, wherein the network management station (ATE) performs an automatic test of a functional or IP core of the integrated circuit chip.